



## MINOR PORTLAND CEMENT CONCRETE MIX DESIGN TRIAL BATCH SUMMARY

Project: \_\_\_\_\_ Date: \_\_\_\_\_  
Contractor: \_\_\_\_\_ Concrete for: \_\_\_\_\_  
Concrete producer: \_\_\_\_\_ Class of concrete: \_\_\_\_\_  
\_\_\_\_\_ Mix designation: \_\_\_\_\_

### ● COMPRESSIVE STRENGTH (28 DAY)

Minimum average strength required<sup>1</sup> ( $f_{cr}$ ) \_\_\_\_\_ megapascals (MPa)

Design strength specified ( $f'_c$ ) \_\_\_\_\_ MPa

### ● PROPORTIONS

Material	Specific Gravity (SSD)	SSD Mass per m <sup>3</sup> (kg)	Absolute Volume (m <sup>3</sup> )	Tolerance % (±)	Admixtures	Dosage per m <sup>3</sup> (mL)
Cement <sup>2</sup>	3.15	_____	_____	1	Air entertainment	_____
Water	1.00	_____	_____	1	Water reducer	_____
Coarse aggregate	_____	_____	_____	2	Retarder	_____
Fine aggregate	_____	_____	_____	2	Color	_____
Total air			_____		Accelerator	_____
Other _____	_____	_____	_____		Other _____	_____
Totals:		_____ kg	_____ m <sup>3</sup>			

<sup>1</sup> See ACI 214

<sup>2</sup> The water/cement ratio for modified concrete is the ratio of the mass of water to the combined masses of portland cement and cement substitute.

### ● SIGNATURES

Contractor: \_\_\_\_\_

Mix Designer: \_\_\_\_\_